Resistance of APP MS POLYMER to Chemical Substances

Sample		APP MS POLYMER based Medium Modular Filler				
Exposition time		**1 h**	**2 h**	**3 h**	**24 h**	**2 h**
Total exposition time		**(1 h)**	**(3 h)**	**(6 h)**	**(30 h)**	**(32 h)**
Before test commencement	A shore hardness	**42**				
Chemical substance						
Chydrochloric acid 10% (HCl)	After draining	39	37	36	33	33
	24 after draining	37	37	-	38	36
Nitric acid 10% (HNO_3)	After draining	39	34	33	30	30
	24 after draining	37	36	35	32	33
Sulphuric acid 10% (H_2SO_4)	After draining	44	38	39	27	28
	24 after draining	41	39	39	28	30
Phosphoric acid 10% (H_3PO_4)	After draining	40	38	38	36	36
	24 after draining	40	39	40	39	41
Acetic acid 10% (CH_3COOH)	After draining	39	33	31	26	26
	24 after draining	41	42	42	30	31
Citric acid 10% (***1)	After draining	38	37	37	42	39
	24 after draining	38	38	38	45	44
Lactic acid 10% 10% (***2)	After draining	41	37	36	38	31
	24 after draining	39	40	41	45	40
Hydrogen peroxide 30% (H_2O_2)	After draining	37	37	35	39	33
	24 after draining	40	41	40	36	35
Ethanol 100% (C_2H_5OH)	After draining	34	32	32	34	35
	24 after draining	38	37	38	42	42
Xylene 100% ($C_6H_5CH_3$)	After draining	31	21	22	25	18
	24 after draining	35	33	34	37	39
MEK 100%	After draining	38	35	35	40	37
	24 after draining	39	38	40	44	45
Mineral spirit 100%	After draining	35	32	31	28	35
	24 after draining	38	37	37	43	45
Unleaded petrol 100%	After draining	32	26	27	25	23
	24 after draining	35	35	36	37	38
Diesel oil 100%	After draining	36	32	29	25	23
	24 after draining	36	36	30	24	26
Sodium hydroxide 10% (NaOH)	After draining	40	37	37	38	36
	24 after draining	38	40	40	39	38
Sodium chloride 10% (NaCl)	After draining	38	38	36	37	36
	24 after draining	37	38	39	37	38
Sodium hypochlorite 12% (NaClO)	After draining	36	36	34	33	35
	24 after draining	39	37	38	36	37
Distilled water 10%	After draining	40	37	37	38	38
	24 after draining	37	38	35	39	38
Water solution saturated with sugar	After draining	40	38	37	39	37
	24 after draining	40	38	37	39	39
Vegetable oil 100%	After draining	39	36	35	35	38
	24 after draining	37	36	35	34	34

[***1] - $HOOCCH_2C(OH)(COOH)CH_2COOH$
[***2] - $CH_3CH(OH)COOH$

Significant variations regarding resistance of the examined sample were marked with yellow

Description: Laboratory test followed regarding medium modular APP MS Polymer that comprises a resultant between low modular filler and highly modular adhesive –sealant. Influence level of the given chemical substance (degradation) to the sealant was assumed as change of its hardness in relation to initial hardness.

APP NO.	Colour	Package	Volume	Pack
040403	grey	Cartouche	290 ml	12 item
040404	yellow	Cartouche	290 ml	12 item
040405	black	Cartouche	290 ml	12 item
040406	beige	Cartouche	290 ml	12 item

APP Sp. z o.o.
ul. Przemysłowa 10, 62-300 Września
Biuro Obsługi Klienta: tel. 061/437 00 20, fax 061/437 00 21

APP AUTO-PLAST PRODUKT®

Creation date: 07.08.2015r.
Update: 09.01.2023r.