Technical Data Sheet

BADAPRENE® | TPV 55A 5510 2K

PP/EPDM-COMPOUND

Light-flowing injection moulding grade for very good 2K adhesion on polyamide

Properties	Test conditions	Test method	Unit	dry as molded
Physical properties				
Hardness		DIN ISO 48-4 DIN ISO 48-4	Shore A Shore D	55 -
Density		ISO 1183	g/cm³	0.97
Overmolding capability				PA
Mechanical Properties				
Tensile Strength	Parallel, 200 mm/min Across, 200 mm/min	DIN 53504 DIN 53504	MPa MPa	5.0 4.5
Elongation at break	Parallel, 200 mm/min Across, 200 mm/min	DIN 53504 DIN 53504	% %	350 350
Tear Strength	Parallel Across	DIN ISO 34 DIN ISO 34	N/mm N/mm	14.0 -
Abrasion loss		DIN ISO 4649	mm³	-
Thermal Properties				
Compression set	23 °C/72 h 70 °C/24 h 100 °C/24 h	DIN ISO 815-1 DIN ISO 815-1 DIN ISO 815-1	% % %	- - -
Thermal conductivity	Test plate 2 mm	DIN 52612-1	W/(m*K)	-
Flammability		UL94 UL94 UL94 UL94	Wall thickness Rating Wall thickness Rating	- - - -
Glow wire test GWIT		IEC-60695-2-13 IEC-60695-2-13 IEC-60695-2-13 IEC-60695-2-13	Wall thickness mm Temperature °C Wall thickness mm Temperature °C	- - - -
Glow wire test GWFI		IEC-60695-2-12 IEC-60695-2-12 IEC-60695-2-12 IEC-60695-2-12	Wall thickness mm Temperature °C Wall thickness mm Temperature °C	- - - -
Electrical Properties				
Spec. Volume Resistivity		IEC-62631-3-1	Ohm*cm	-
Spec. Surface Resistivity		IEC-62631-3-2	Ohm	-
Other Data				
Melt volume rate (MVR)	Value Temperature Test load	ISO 1133 ISO 1133 ISO 1133	cm³/10min °C kg	- - -
Processing injection molding				
Melt temperature			°C	175-200
Mold temperature			°C	40-75
Guide Value Moisture			%	0.05
Drying temperature			°C	80
Guide Value Drying time			h	2-4

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