RAVATECH RO-249-50A

RAVATECH

Product Description :	This polar thermoplastic elastomer compound is specifically designed for overmolding with different polar substrates and their blends. RAVATECH® series can be processed with conventional thermoplastics machineries and is fully recyclable.
Additive Packages :	T / Heat and UV stabilizer /
Key Features :	Adhesion to various polar substrates and their blends Rubberlike elasticity in a wide temperature range Easy colorability with proper MB Good chemical and oil resistance
Process Method :	Injection, multi-injection, co-injection molding
Uses :	Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive
Revision Date :	01.05.2022

	Value	Unit	Standard
Physical			
Hardness	50	SHORE A	ISO 868 (3 second)
Density	1,10	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,3	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,5	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	4,5	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	530	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	20	N/mm	ISO 34-1 Method B
Adhesion to ABS	4 (B/D)	N/mm	VDI 2019
Adhesion to PC	4,5 (B/D)	N/mm	VDI 2019

Drying Condition	
Drying Time(hr)	2-3
Drying Temperature(°C)	60-80
Molding Condition (°C)	
1st Zone (hopper)(°C)	190 - 200
2nd Zone(°C)	190 - 210

Data Sheet

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3rd Zone(°C)	200 - 220
Nozzle(°C)	210 - 220
Melt Temperature(°C)	200 - 220
Mold Temperature(°C)	30-70
Max Allowable Melt Temperature(°C)	230

Important Notice;

The above results are obtained from the tests conducted in Ravago Petrokimya laboratories on injection molded ISO samples and cannot be used directly to determine end-use or design specification. Datasheet values represent a statistical average of product properties and they may be subject to change as new information becomes available. Customers and other users should make their own independent determination that the product is suitable for the intended use. Ravago Petrokimya accepts no responsibility for results obtained by the application of this information and disclaims all warranties that might arise in connection with this information.

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