



**RAVATECH RO24975A**

**RAVATECH**

<b>Product Description :</b>	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.
<b>Additive Packages :</b>	T / Heat and UV stabilizer /
<b>Key Features :</b>	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
<b>Process Method :</b>	Injection, multi-injection, co-injection molding
<b>Uses :</b>	Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive

	Value	Unit	Standard
<b>Physical</b>			
Hardness	75	SHORE A	ISO 868 (3 second)
Density	1,10	gr / cm3	ISO 1183 1-A
<b>Mechanical</b>			
100% Modulus	2,8	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	4,2	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	13	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	730	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	44	N/mm	ISO 34-1 Method B
Adhesion to ABS	4 (B)	N/mm	VDI 2019
Adhesion to PC	6 (B)	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



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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

