



Preliminary RAVATECH RL-249-55A

ENSOFT

Product Description :	This polyolefin based thermoplastic elastomer (SEBS) compound is produced with food contact compliant raw materials, specifically designed for adhesion to PBT, PC, ABS, PC/ABS,PET and completely recyclable. ENSOFT® series can be processed with conventional thermoplastics machinery
Additive Packages :	D / Heat and UV stabilizer and lubricant /
Key Features :	Adhesion to PBT, PC, ABS, PC/ABS,PET Good ozone, UV and weathering resistance Rubberlike elasticity in a wide temperature range Easy colorability with proper MB (PE, PP, etc. based)
Process Method :	Injection/multi injection molding
Uses :	Soft touch grips, handles, consumer goods, home&kitchen appliances, automotive

	Value	Unit	Standard
Physical			
Hardness	55	SHORE A	ISO 868 (3 second)
Density	1,08	gr / cm3	ISO 1183 1-A
Mechanical			
100% Modulus	1,71	Mpa	ISO 37(S1,500 mm/min)
300% Modulus	2,61	Mpa	ISO 37(S1,500 mm/min)
Tensile Strength At Break	3,6	Mpa	ISO 37(S1,500 mm/min)
Elongation at Break	538	%	ISO 37(S1,500 mm/min)
Tear Strength (Perpendicular to flow)	22	N/mm	ISO 34-1 Method B

Environmental Resistance

Ozone	Excellent
Water	Excellent
Alcohol	Excellent
Olive Oil	Fair
Sulphuric Acid	Good



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Detergent	Good
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Drying Condition

Drying Time(hr)	2-3
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Drying Temperature(°C)	60-80
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Molding Condition (°C)

1st Zone (hopper)(°C)	180-190
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2nd Zone(°C)	190-200
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3rd Zone(°C)	200-205
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Nozzle(°C)	205-210
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Melt Temperature(°C)	210-220
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Mold Temperature(°C)	10-50
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Max Allowable Melt Temperature(°C)	240
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