REPRO ABS RE6

Acrylonitrile Butadiene Styrene

Rondo Plast AB

Message:

Injection moulding, high impact

General Information			
Recycled Content	Yes		
Features	High Impact Resistance		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	1.05	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	16	g/10 min	
230°C/5.0 kg	8.0	g/10 min	
Molding Shrinkage			ISO 2577
Across Flow	0.60 to 0.80	%	
Flow	0.60 to 0.80	%	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress	35.0	MPa	ISO 527-2
Tensile Strain (Break)	30	%	ISO 527-2
Flexural Modulus (23°C)	2100	MPa	ISO 178
Flexural Stress	65.0	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength			ISO 179
-20°C	8.0	kJ/m²	
23°C	14	kJ/m²	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	92.0	°C	ISO 306/B50
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (1.60 mm)	HB		UL 94
Glow Wire Ignition Temperature (2.00 mm)	650	°C	IEC 60695-2-13
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	190 to 230	°C	
Mold Temperature	60.0 to 80.0	°C	
Injection Pressure	90.0 to 150	MPa	
Injection Rate	Fast		
Back Pressure	1.00 to 1.50	MPa	

Recommended distributors for this material

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