

ECHNICAL DATA SHEET

R25MLT

Description

Applications

Suitable for thin walled injection molding (TWIM) applications
 Used for the production of house wares, thin walled articles for food and non-food applications, video cassette cases, caps and lids, sports, leisure & toys and component parts for automotive industry

Resin properties

Resin	Conditions	Method	Value	Unit
Density	23° C	ISO 1183	0.900	g/cm3
Melt Flow Rate (MFR)	230° C/2.16 kg	ASTM D 1238-13	25	g/10-min
Mechanical				
Flexural Modulus	1-mm/min	ISO 178	1,200	MPa
Tensile Modulus	-	ISO 527	1150	MPa
Tensile Stress at Yield	50-mm/min	ISO 527	29	MPa
Tensile Strain at Break	50-mm/min	ISO 527	> 50	%
Tensile Strain at Yield	50-mm/min	ISO 527	11	%
Charpy un-notched	23° C, Type 1, Edgewise	ISO 179	200	kJ/m2
Charpy un-notched	0° C, Type 1, Edgewise	ISO 179	70	kJ/m2
Charpy notched	23° C, Type 1, Edgewise	ISO 179	6	kJ/m2
Charpy notched	0° C, Type 1, Edgewise	ISO 179	3	kJ/m2
Izod Notched	23° C	ISO 180	5.4	kJ/m2
Thermal				
Heat Deflection Temperature	0.45 MPa Un-annealed	ISO 75B	76	° C
Vicat Softening Temperature	A50 (50° C/h 10N)	ISO 306	130	° C
Optical				
Haze	1.0 mm	ASTM D 1003	6.0	%

The above are typical data representing the product; not to be construed as analysis certificate or specifications.