Technical Data Sheet

Sipchem PBT-R1-G6-010

Polybutylene Terephthalate Resin

Product description: Sipchem PBT-R1-G6-010 is a Polybutylene Terephthalate resin, manufactured by Sipchem Chemical Company in The Kingdom of Saudi Arabia using an Inventa-Fischer Technology. PBT-R1-G6-010 is a high viscosity neat PBT resin

Applications: Compounding

Properties	Typical Value	Unit	Test Method
PHYSICAL			
Density	1.31	g/cm^3	ASTM D1505
MVR (250 °C)	9	cm^3/10 min	ISO 1133
Carboxyl End Group	< 40	meq/kg	ISO 2114
Colour (b*)	< 4	-	ASTM D6290
MECHANICAL			
Tensile Strength	56.4	MPa	ASTM D638
Elongation at Yield	3.5	%	ASTM D638
Flexural Modulus	2160	MPa	ASTM D790
Flexural Strength	78.9	MPa	ASTM D790
Flexural Strain at Flexural Strength	8.1	%	ASTM D790
Izod Impact Strength - Unnotched at +23°C	NB	J/m	ASTM D256
Izod Impact Strength - Notched at +23°C	29.8	J/m	ASTM D256
THERMAL			
Melting Temperature	223	°C	ASTM D3418
Heat Deflection Temperature, 1.80 MPa	49.4	°C	ASTM D648
Vicat Softening Temperature	171.3	°C	ASTM D1525
Burning Behaviour	HB	Class	IEC 60695

These are typical properties: these are not to be construed as specifications.
This product is not intended for use in medical applications and should not be used in any such applications.
Contact your Sipchem Representative for compliance with Food Contact Regulation.

Contact Details:

Website: www.sipchem.com
Email: marketing@sipchem.com
Phone: +966 13 359 3372

The preliminary information in this document is provided for pre-marketing purposes only and relates only to the named product or materials when not in combination with any other product or materials. The information and recommendations presented herein are to the best of our knowledge true and accurate, but no warranty or guarantee, expressed or implied, is made. Before using one of the products mentioned herein, customers and other users should take care in determining the suitability of such product for the intended use. Sipchem therefore, does not accept any liability whatsoever arising from the use of this information or the use, application or processing of any product described herein.