

Technical Data Sheet

DuPure[®] SR 76

Polypropylene Heterophasic Copolymer

Description

DuPure SR 76 is a nucleated heterophasic polypropylene copolymer (produced with a phthalate-free catalyst). The product combines a good stiffness with good impact strength.

Applications

DuPure SR 76 is suitable for: house wares, cylindrical containers and crates, furniture.

Quality, Environment and Safety Regulations

Material Safety Data Sheets and other regulatory documents are available on our web site <http://www.ducorchem.com>.

Properties		Method	Typical Value*	Unit
Physical				
Melt Flow Rate	(230 °C / 2.16 kg)	ISO 1133	15	g/10 min
Mechanical				
Tensile Modulus	(1 mm/min)	ISO 527-2	1400	MPa
Tensile Stress at Yield	(50 mm/min)	ISO 527-2	28	MPa
Tensile Strain at Yield	(50 mm/min)	ISO 527-2	6	%
Tensile Strain at Break	(50 mm/min)	ISO 527-2	> 50	%
Shear Modulus		ISO 6721-2	730	MPa
Charpy Impact Strength, notched	(+23 °C)	ISO 179/1eA	6	kJ/m ²
	(0 °C)	ISO 179/1eA	3	kJ/m ²
	(-20 °C)	ISO 179/1eA	2.5	kJ/m ²
	(-30 °C)	ISO 179/1eA	2	kJ/m ²
Charpy Impact Strength, unnotched	(+23 °C)	ISO 179/1eU	No Break	kJ/m ²
	(0 °C)	ISO 179/1eU	100	kJ/m ²
	(-20 °C)	ISO 179/1eU	50	kJ/m ²
	(-30 °C)	ISO 179/1eU	45	kJ/m ²
Izod Impact Strength, notched	(+23 °C)	ISO 180/1A	5	kJ/m ²
	(0 °C)	ISO 180/1A	3	kJ/m ²
	(-20 °C)	ISO 180/1A	2.5	kJ/m ²
	(-30 °C)	ISO 180/1A	2	kJ/m ²
Ball Indentation Hardness (H 358/30)		ISO 2039-1	63	MPa
Thermal				
Melting Point, DSC		ISO 3146	163	°C
Heat Deflection Temperature	(1.8 MPa)	ISO 75-2	53	°C
Heat Deflection Temperature	(0.45 MPa)	ISO 75-2	90	°C
Vicat Softening Temperature	(10 N)	ISO 306	151	°C
Vicat Softening Temperature	(50 N)	ISO 306	68	°C
Other Properties				
Density		ISO 1183	0.91	g/cm ³

* Typical values; not to be construed as specifications

Ducor Petrochemicals B.V., POB 1038, 3180AA Rozenburg ZH, the Netherlands

Web: <http://www.ducorchem.com/>

Email: sales@ducorchem.com

Last updated: April 2015

The information contained herein is to our knowledge accurate and reliable as of the date of publication. Ducor Petrochemicals extends no warranties and makes no representations as to the accuracy or completeness of the information contained herein and assumes no responsibility regarding the consequences of its use or for any printing errors. Our products are intended for sale to industrial and commercial customers. It is the customer's responsibility to inspect and test our products in order to satisfy himself as to the suitability of the products for the customer's particular purpose. The customer is also responsible for the appropriate, safe and legal use, processing and handling of our products.