

Eleme NGL045RG

Medium Density Polyethylene
Eleme Petrochemical Company Ltd

Message:

NGL045RG Medium Density Polyethylene Resin manufactured by IEPL using "SCLAIRTECH" solution polymerisation process of DU Pont, Canada (Now Nova Chemicals) designed for Rotational Moulding application. As a copolymer it combines good toughness, impact resistance and excellent environmental stress crack resistance due to medium density of the resin and is therefore specially suitable for the producing chemical tanks, water storage tanks, milk cans and technical hollow articles. It can be easily processed on normal polyethylene roto moulding machines.

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Copolymer		
	Impact resistance, good		
	Workability, good		
	Good chemical resistance		
	Good toughness		
	Medium density		
Uses	Industrial water tank		
	Water tank		
Appearance	Natural color		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.933	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.4	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	14.0	MPa	ASTM D638
Tensile Elongation (Break)	930	%	ASTM D638
Flexural Modulus	480	MPa	ASTM D790
Flexural Strength (Yield)	15.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	140	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	116	°C	ASTM D1525

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT