Eleme NGL045RU

Medium Density Polyethylene

Eleme Petrochemical Company Ltd

Message:

NGL045RU 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 UV Stabiliser & medium density of the resin and is therefore specially suitable for the producing chemical tanks, water storage tanks, milk cans and technical hollow articles.

General Information			
Additive	UV stabilizer		
Features	High ESCR (Stress Cracking Resistance) Copolymer Impact resistance, good Workability, good Good chemical resistance Good toughness Medium density		
Uses	Pallets Industrial water tank Application in Automobile Field Water tank Loading box		
Appearance	Natural color		
Processing Method	rotomolding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.933	g/cm³	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

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