

ALCUDIA® HDPE R4805

High Density Polyethylene
REPSOL

Message:

ALCUDIA® R4805 is a low melt flow rate high density polyethylene with medium molecular weight distribution. It offers an optimum balance between mechanical and processing properties for production of tapes with high tensile strength at break.

TYPICAL APPLICATIONS

ALCUDIA® R4805 is designed for stretched tapes production based on blown film. It gives flexible tapes with high tenacity and low fibrillation tendency suitable for:

Iso Mayer textile applications
Raschel knitted and woven fabrics.
Twines and ropes

Recommended melt temperature range from 210 to 230°C. Processing conditions should be optimised for each production line.

General Information			
Features	High tensile strength		
	Workability, good		
	Low liquidity		
	Compliance of Food Exposure		
	Medium wide molecular weight distribution		
Uses	Twine		
	Films		
	Strap		
	Rope		
	Fabric		
Agency Ratings	European food contact, not rated		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.56	g/10 min	ISO 1133
Extrusion	Nominal Value	Unit	
Melt Temperature	180 - 230	°C	
Extrusion instructions			
Blow Up Ratio: 1.1 to 1.3			

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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

