

Lupolen 4021 K RM (PE-HD)

LyondellBasell Industries

Material is a new generation hexene linear high density polyethylene.

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	4	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	750	MPa	ISO 527
Yield stress	19	MPa	ISO 527
Yield strain	9	%	ISO 527
Strain at Break	450	%	ISO 527

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature A	114	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	939	kg/m³	ISO 1183

Characteristics

Processing

Rotational Molding

Delivery form

Pellets

Special Characteristics

Impact modified, UV stablized

Features

Low Warpage

Chemical Resistance

General Chemical Resistance, Environmental Stress Crack Resistance, Oil Resistance

Applications

Building Construction, Packaging