

SIBUR

Technical Data Sheet HD12443 FE High-Density Polyethylene

PRODUCT DESCRIPTION

HD12443 FE is a high-density polyethylene with improved stabilization package and processing additive. The product provides a good balance of easy processability with beneficial physical and mechanical properties. Films produced from HD12443 FE have excellent strength characteristics.

TYPICAL APPLICATIONS

HD12443 FE is recommended for the production of mono- and multilayer films, including shrink films, bags, garbage bags, films for packaging heavy loads.

Properties	Conditions	Method	Typical values*	Units
Resin properties				
Melt Flow Rate	190 °C/5 kg	ISO 1133-1	0.55	g/10 min
Density	20 °C	ISO 1183	0.946	g/cm ³
Properties measured on 25-30 µm film**				
Tensile Strength at Break	MD/TD	ISO 527-1	43/34	MPa
Tensile Stress at Yield	MD/TD	ISO 527-1	26/21	MPa
Elongation at Break	MD/TD	ISO 527-1	500/580	%
Dart Drop Impact Strength		ISO 7765-1	130	g

*The values given are typical values measured on the product. These values should not be considered as specification.

**Properties are measured on 20-30 µm gauge films.

REACH Statement

Polymers are exempt of REACH registration. However, their raw materials which mean monomers and relevant additives have been registered.

PJSC «Sibur Holding» (and its subsidiaries) is committed to fully respect REACH legislation and to use only REACH compliant raw materials.

Safety

See MSDS

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