

## TECHNICAL DATASHEET

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### PDL S-Series

Thermoplastic Elastomer Compounds for Industrial Applications

#### Product Description:

PDL S-Series are a thermoplastic elastomer-based compound that consist of *different types of high-quality* polymers, which are compounded with *Process Oils* specifically selected to achieve the optimal results in the final product.

Main advantages of using the PDL S-series Compound are,

- Improved cold resistance,
- Increased heat resistance,
- Better aging,
- Increased adhesion capabilities,
- Optimized penetration, which is crucial in minimizing potential issues during transportation, storage and final use of the product.

Uses of PDL S-Series in various applications are illustrated below.

#### Specifications:

PROPERTIES	STANDARD	UNIT	PDL S-6020 Balanced price/performance	PDL S-6600 Unfilled high performance	PDL S-4343 Economical
Physical Properties:			min. /max.	min. /max.	min. /max.
Hardness	ISO 868	SHORE A	0 / 2	1 / 4	2/6
Density	ISO 2781	g/cm <sup>3</sup>	0.99 / 1.01	0.89 / 0.90	1,18-1,21
MFI (190°C/5 kg.)	ISO 1133	Gr/10 min.	10 / 30	-- / 0.5	15/35
Mechanical Properties:					
Elongation At Break	ISO 37	%	-- / >900	-- / >700	-- / >650

- **Recycle Polyolephines production:** PDL S 4343 Better compatibility in PE/PP blends. Superior impact modifier, a solution for breaking parts molded with recycle PP/PE. PDL S also increases fluidity of recycle polymer, where there is a need for mfi increase. Loading %3-10
- **HDPE, pipe ,hose production:** Increases elasticity and helps to incorporate more recycle PE. PDL S also helps to load more filler to pipe without sacrificing from impact properties. %3-8.
- **Color MB production:** Higher loading ratio for pigments, better dispersion quality. Loading %3-7 instaed of PE carrier.
- **PP and PE compound:** Process aid agent,energy consumption, increase efficiency.
- **PP impact modification:** Addition of PDL S to PPH can result in PPC like properties, one can produce his own PPC by adding %10-20 PDL S to PPH, cost eficient solution.

#### **PDL ENDÜSTRİYEL ÜRÜNLER DIŞ TİCARET LİMİTED ŞİRKETİ**

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