

Arkema IMPACT MODIFIERS

Arkema offers a large choice of impact modifiers for all polymer systems:

- **Lotryl™/Lotader®/Evatane® specialty polyolefins**
- **Clearstrength™ butadiene core –shells**
- **Durastrength™ weatharable acrylic core-shells**
- **Plastistrength™ acrylic processing aids**
- **FinaClear® and Finaprene® SBS copolymers**

The following table summarizes Arkema's solutions to toughen all thermoplastic resins.

Polymer matrix	Super-toughness	Low temperature toughness	Medium toughness	High Melt Fluidity
Polyamide 6 PA 6	20 – 25% Lotader 4700 Lotader 4720	20 % (Lotader 4700 + LotaderXX1336)	5 – 10% Lotader 4700 + Lotryl 29MA03 Lotader 4700 + Lotryl 30BA02	20 % Lotader 4700 + XX1336 Lotader 4700 + Lotryl35BA40
Polyamide 6,6 PA 6,6	20 – 25% Lotader 4700	-	5 – 10% Lotader 4700 Lotryl 29MA03	20 – 25% Lotader 4720
Thermoplastic Polyesters PET, PBT	20 – 25% Lotader AX8900+Lotryl29MA03 LotaderAX8900/Durastre ngth D400 Durastrength D400R Clearstrength E920 or E950	20 –25% LotaderAX8900/ Durastrength D400 Clearstrength E920 or E950	5 – 10% Lotader AX8900+Lotryl 35BA40	5 – 10% LotaderAX+Lotryl 35BA40 Durastrength D400R Clearstrength E920
Opaque PC	5 – 10% Durastrength D400 Clearstrength E920 or E950	5 - 10% Durastrength D400 Clearstrength E920 or E950	1 - 5% Durastrength D400 Clearstrength E920 or E- 950	1 - 5% Durastrength D400 Clearstrength E920 or E950
PPS, PEI	15 – 25% Lotader AX8840		15 – 25% Lotader AX8900+Lotryl29MA03	
PBT/PC alloys	5 - 15 % LotaderAX8900/Durastre ngthD400 Durastrength 400R/Durastrength 400 Clearstrength E920 or E- 950	5 - 15 % LotaderAX8900/ DurastrengthD400 Durastrength 400R/ Durastrength 400 Clearstrength E920 or E950	5 - 10 % LotaderAX8900/ DurastrengthD400 Durastrength 400R/ Durastrength 400 Clearstrength E920 or E950	5 - 10 % LotaderAX8900/Durastre ngthD400 Durastrength 400R/Durastrength 400 Clearstrength E920 or E950
PC/ABS	2 - 10 % Clearstrength E920	2 - 10 % Clearstrength E920	5 - 15 % Lotryl 24MA005	2 - 6 % Clearstrength E920
ABS			1 – 6 % Plasitstrength P530 & P551 5 - 10 % Lotryl 24MA005/29MA03	

GPPS	50-60% Finaclear 540	50% Finaclear 520 or 50% Finaclear520/ 5-10% Finaprene602D	40-60% Finaclear 550 or 25-40% Finaclear 540	40-60% Finaclear 550
PP	5-20% Finaprene 602D	5-20% Finaprene 602D	10 - 15% Lotryl 30BA02	
PVC	5 - 15 % Weatherable Applications Durastrength 200, 300, 500 Series Other (Packaging, IM, etc.) Clearstrength C Series	5 - 15 % Weatherable Applications Durastrength 200, 300, 500 Series Other (Packaging, IM, etc.) Clearstrength C Series	10 - 15% Evatane 28-03	

